



## TRANSPORT

### Subway cars

New subway cars were required for Beijing's No 5 subway line. Stainless steel was chosen for the new cars because carbon steel was too heavy. Aluminium was also considered. However, its fire resistance properties were inadequate for this application. Stainless steel provided an ideal solution because of its light weight and fire resistance. Stainless steel is also easy to keep clean and looks modern and inviting.

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**LOCATION/ENVIRONMENT** BEIJING, CHINA/OUTDOOR

**PRODUCT** HOT ROLLED STAINLESS STEEL SHEET

**FABRICATION PROCESS** WELDING

**GRADE** SUS 301L (17CR-7NI-LC)

**SURFACE** 2B

**COMPETING MATERIAL** CARBON STEEL OR ALUMINIUM ALLOY

**DATE OF COMPLETION** AUGUST 2006

**MANUFACTURING COMPANY** CHANGCHUN RAILWAY VEHICLE

**MATERIAL SUPPLIER** BAOSHAN IRON AND STEEL

**SOURCE OF INFORMATION** BAOSHAN IRON AND STEEL

**REMARKS**